

# DART SERVICE INSTRUCTION

**TO AMEND INSTALLATION INSTRUCTIONS IIN-D205-594 REV. D OR LATER APPROVED REVISION  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D205-594 REV. 3 OR LATER APPROVED REVISION**

REF. TCCA STC: SH03-6  
REF. FAA STC: SR01742NY  
REF. EASA STC: EASA.IM.R.S.01198

**PURPOSE:**

To provide permission to install D205-634-141/D204-635-141 Skidtubes as part of the D205-594-XXX Extended Height Landing Gear Kits.

**CHANGE:**

It is acceptable to install D205-634-141/D204-635-141 Skidtubes in lieu of D205-634-041/D204-635-041 Skidtubes as part of the D205-594-XXX Extended Height Landing Gear Kits. The following landing gear kits have been added to the Supplemental Type Certificate:

QTY 594 -111	QTY 594 -113	QTY 594 -121	QTY 594 -123	QTY 596 -101	QTY 596 -103	QTY 596 -105	QTY 596 -107	Part No.	Description
X								D205-594-111	EXTENDED HEIGHT LANDING GEAR KIT (39"-205/210/212/214, UH-1H)
	X							D205-594-113	EXTENDED HEIGHT LANDING GEAR KIT (31"-205/210/212/214, UH-1H)
		X						D205-594-121	EXTENDED HEIGHT LANDING GEAR KIT (39"-204, UH-1A/B/E/F/L/P, TH-1F/L, HH-1K)
			X					D205-594-123	EXTENDED HEIGHT LANDING GEAR KIT (31"-204, UH-1A/B/E/F/L/P, TH-1F/L, HH-1K)
1		1		X				D205-596-101	CROSSTUBE ASSEMBLY, HI HI FWD
1		1			X			D205-596-103	CROSSTUBE ASSEMBLY, HI HI AFT
	1		1			X		D205-596-105	CROSSTUBE ASSEMBLY, HI HI FWD
	1		1				X	D205-596-107	CROSSTUBE ASSEMBLY, HI HI AFT
2	2							D205-634-141	SKIDTUBE ASSEMBLY (see STC SH96-88)
		2	2					D204-635-141	SKIDTUBE ASSEMBLY (see STC SH96-88)
2	2	2	2					D205-641-011	GHW KIT (see STC SH96-88)

Refer to Installation Instructions and Instructions for Continued Airworthiness for parts list for -101/-103/-105/-107 kits

2	2	2	2					D5951	SADDLE
2	2	2	2					D5953	SADDLE
2	2	2	2					D5955	SADDLE
2	2	2	2					D5957	SADDLE
32	32	32	32					D2570	BUSHING
16	16	16	16					AN4-51A	BOLT
32	32	32	32					AN5-15A	BOLT
2	2	2	2					AN5-36A	BOLT
2	2	2	2					AN5-42A	BOLT
2	2	2	2					AN5-43A	BOLT
2	2	2	2					AN5-45A	BOLT
16	16	16	16					MS21042L4	NUT (OR MS21042-4)
40	40	40	40					MS21042L5	NUT (OR MS21042-5)
80	80	80	80					NAS1149D0516J	WASHER (AN960JD516)
2	2	2	2					D3407-041	TOW RING (REPLACES D2968-041) (see STC SH96-88)
4	4	4	4					D3417-5	WASHER (see STC SH96-88)
2	2	2	2					D3456-1	WASHER (REPLACES AN970-4) (see STC SH96-88)
2	2	2	2					MS21043-4	NUT (REPLACES MS21042L4)
1	1							D3428-3	PLACARD

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

**APPROVED**  
BY:   
D. SHEPHERD (DE # 02)

DATE: 13.03.22  
CERT. NO.: SH03-6  
ISSUE NO.: 3

A	NEW ISSUE		13.03.22
REV.	DESCRIPTION	BY	DATE
DESIGN		<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO. <b>DSI 9648</b> REV. A SHEET 1 OF 2 TITLE <b>ADD LANDING GEAR KITS</b> SCALE NTS <small>COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	
DRAWN			
CHECKED			
MFG. APPR.	N/A		
APPROVED			
DE APPR.			
DATE	13.03.22		

**WEIGHT AND BALANCE:**

When the D205-634-141/D204-635-141 Skidtubes are installed in lieu of the D205-634-041/D204-635-041 Skidtubes as part of the D205-594-XXX Extended Height Landing Gear Kits, the weight of the installation must be increased by 6.2 lbs.

The following table provides Weight and Balance of the new landing gear kits:

INSTALLATION	WEIGHT	LONGITUDINAL	
		Arm	Moment
D205-594-111 Extended Height Landing Gear (205/210/212/214, UH-1H)	198.9 lb 90.4 Kg	118.6 in 3.01 m	23590 in-lb 272.1 m-Kg
D205-594-121 Extended Height Landing Gear (204, UH-1A/B/E/F/L/P, TH-1F/L, HH-1K)	190.9 lb 86.8 Kg	112.6 in 2.86 m	21495 in-lb 248.2 m-Kg
D205-594-113 Extended Height Landing Gear (205/210/212/214, UH-1H)	183.1 lb 83.2 Kg	116.9 in 2.96 m	21404 in-lb 246.3 m-Kg
D205-594-123 Extended Height Landing Gear (204, UH-1A/B/E/F/L/P, TH-1F/L, HH-1K)	175.1 lb 79.6 Kg	110.9 in 2.82 m	19419 in-lb 224.5 m-Kg

DESIGN	<i>OS</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>OS</i>		
CHECKED	<i>OS</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9648	SHEET 2 OF 2
APPROVED	<i>OS</i>	TITLE	SCALE
DE APPR.	<i>OS</i>	ADD LANDING GEAR KITS	NTS
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